



**2016
CA. MECHANICAL CODE
907**

907.0 Wall Furnaces.

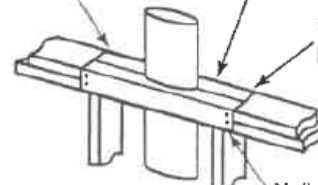
907.1 Installation. Wall furnaces shall be installed in accordance with the following:

- (1) Listed wall furnaces shall be installed in accordance with their listings and the manufacturer's installation instructions. Wall furnaces installed in or attached to combustible material shall be listed for such installation.
- (2) Unlisted wall furnaces shall not be installed in or attached to combustible material. (NFPA 54:10.27.1.2)
- (3) Vented wall furnaces connected to a Type B-W gas vent system listed for a single story shall be installed in single-story buildings or the top story of multistory buildings. Vented wall furnaces connected to a Type B-W gas vent system listed for installation in multistory buildings shall be permitted to be installed in single-story or multistory buildings. Type B-W gas vents shall be attached directly to a solid header plate that serves as a firestop at the point and that shall be permitted to be an integral part of the vented wall furnace (see Fig. 907.1). The stud space in which the vented wall furnace is installed shall be ventilated at the first ceiling level by installation of the ceiling plate spacers furnished with the gas vent. Firestop spacers shall be installed at each subsequent ceiling or floor level penetrated by the vent. (NFPA 54:10.27.1.3)
- (4) Direct-vent wall furnaces shall be installed with the vent-air intake terminal in the outdoors. The thickness of the walls on which the furnace is mounted shall be within the range of wall thickness marked on the furnace and covered in the manufacturer's installation instructions. (NFPA 54:10.27.1.4)
- (5) Panels, grilles, and access doors that are required to be removed for normal servicing operations shall not be attached to the building. For additional info on the venting of wall furnaces, see Section 802.0 in this code. (NFPA 54:10.27.1.5)

Installation of B-W gas vent for each subsequent ceiling or floor level of multistory buildings

Fire stop spacers supplied by manufacturer of B-W gas vent

Plate cut away to provide passage of B-W gas vent



Nail fire stop spacer securely

Installation of B-W gas vent for single-story buildings or for first-floor of multistory buildings

Ceiling plate spacers to center B-W gas vent in stud space — nail securely at both ends

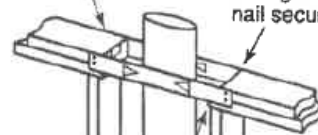


Plate cut away for full width of stud space to provide ventilation

Header plate of vented wall furnace (also acts as fire stop)

Studs on 16 inch centers

Sheet metal screw base plate to header

Use manufacturer's method of fastening pipe to base plate

For SI units: 1 inch = 25.4 mm

**FIGURE 907.1
INSTALLATION OF TYPE B-W GAS VENTS FOR
VENTED WALL FURNACES
[NFPA 54: FIGURE 10.27.1.3]**